

Atty. Docket No. 98-0967A
Serial No. 09/155,076
September 17, 2004

AMENDMENTS TO THE CLAIMS:

1-12. (Cancelled)

13. (Previously presented) An isolated peptide selected from the group consisting of (a) the peptide of SEQ ID No. 1, said peptide having a calcium channel modulatory function, and (b) functional variants of the peptide of SEQ ID No. 1, wherein said functional variants (i) comprise at least 6 amino acid residues, (ii) have at least 70% homology with all of the peptide of SEQ ID No. 1 and (iii) retain said calcium channel modulatory function of the peptide of SEQ ID No. 1.

14-15. (Cancelled)

16. (Previously presented) A probe consisting of the peptide of claim 13, labeled with a signal moiety, or immobilized on a solid support.

17-29. (Cancelled)

30. (Previously presented) The peptide as claimed in claim 13, which peptide is a fragment of acetylcholinesterase.

31. (Previously presented) The peptide as claimed in claim 13, which peptide has been chemically synthesized.

32. (Previously presented) The peptide as claimed in claim 13, which is the peptide of SEQ. ID No. 1.

33. (Previously presented) A method for obtaining an antibody comprising using the peptide according to any one of claims 13, 30, 31 and 32 as an antigen to obtain said antibody.

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34. (Withdrawn) A method of screening comprising using the peptide according to any one of claims 13, 30, 31 and 32 to screen for a compound which inhibits the activity of said peptide as a calcium channel modulator.

35. (Withdrawn) A method of identifying a compound which inhibits calcium channel modulation, said method comprising using the screening method according to claim 34 to screen for and identify said compound.

36-38. (Cancelled)